

ABSTRACT OF THE DISCLOSURE

A recording apparatus for recording video data to a record medium is disclosed, that comprises an encoding means for encoding video data in a group structure of a plurality of frames corresponding to a compression-encoding process in a combination of an inter-frame predictive encoding process and a motion compensative process, a transforming means for transforming the data structure of encoded video data that is output from the encoding means into a file structure that can be processed by a computer software program without a dedicated hardware portion so that moving pictures and so forth are synchronously reproduced, and a recording means for recording data having the file structure to a record medium, wherein the file structure has a first data unit and a second data unit, the second data unit being a set of the first data units, and wherein at least one data structure is matched with the first data unit.